

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANTS: FRIEDRICHS, A-3 PCT

SERIAL NO.: 10/519,632

EXAMINER: E. TOLAN

FILED: December 28, 2004

GROUP: 3725

TITLE: EXTRUSION PRESS TOOL FOR PRODUCING A CYLINDRICAL BODY  
CONSISTING OF A PLASTIC MASS

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

MAIL STOP AMENDMENT

Hon. Commissioner of Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Sir:

Supplemental to the Information Disclosure Statement filed on December 28, 2004, Applicant is enclosing Form PTO-1449 and copies of two references cited by the German Patent and Trademark Office.

*U.S. Patent No. 6,248,277* (which was cited in Applicant's December 28, 2004 Information Disclosure Statement) is the English language equivalent of *DE 196 44 447*. A concise explanation of the relevance of this reference and of *DE 42 42 336* is as follows:

*DE 42 42 336 A1* discloses a method and a device for the continuous manufacture of cylindrical rods with at least one internal, spiral-shaped channel, as well as sinter blanks manufactured according to this method. In this known method, the plastic mass forming the blank is extruded from a nozzle mouthpiece, the mass streaming along the axis of at least one spiral-shaped twisted pin which is held on a nozzle spindle. The internal channels are manufactured in the master molding process without plastic deforming of the mass in the nozzle mouth piece. In this process, the mass enters the nozzle mouthpiece substantially without twisting manner, flows over the whole flow cross section substantially without twisting either to the at least one pin and puts the pin into a continuous, rotating movement responsive to the pitch of its spiral when going through the nozzle mouthpiece, or streams past a pin suspension which is drivable in dependance on the flow speed.

*DE 196 44 447A1* discloses a method and a device for the continued extrusion of rods made of plastic raw material and having a spiral-shaped inner channel. In this known method, the plastic raw material is extruded from a nozzle mouthpiece, while it is brought into a rotational movement by a flow directional area arrangement provided therein.

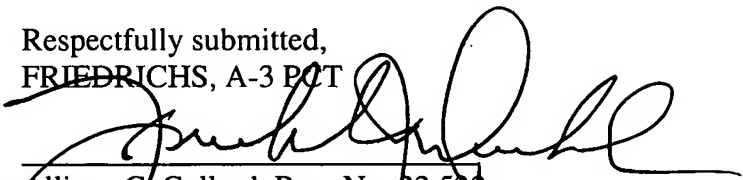
This rotational movement entrains a thread of bendable or elastic material, which thread is eccentric of the rod axis at least upstream of the nozzle mouthpiece, and brings the thread into a spiral form having a pre-determined pitch. The nozzle mouthpiece is held against rotation or rotatable on an extrusion head.

It is respectfully requested that the foregoing Supplemental Information Disclosure Statement (IDS) be incorporated into the official file of the present patent application. Since this Information Disclosure Statement is being filed after a First Office Action, the Commissioner is hereby authorized to charge the official fee \$180 to Collard & Roe, P.C.'s Deposit Account 03-2468. The Commissioner is also hereby authorized to charge Deposit Account No. 03-2468 for any additional fees or credit any overpayment in connection with this IDS. It is respectfully requested that the foregoing IDS be incorporated into the official file of the present patent application.

COLLARD & ROE, P.C.  
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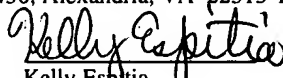
Enclosures: Form PTO-1449 and two (2) references

Respectfully submitted,  
FRIEDRICHS, A-3 PCT



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I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to: Commissioner of Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on June 2, 2006.



Kelly Espitia

FORM PTO-1449 (REV. 7-80)	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. : <b>FRIEDRICHS, A-3 PCT</b>	SERIAL NO. <b>10/519,632</b>
LIST OF REFERENCES CITED BY APPLICANT  (Use several sheets if necessary)		APPLICANT : <b>Arno FRIEDRICHS</b>	
		FILING DATE: <b>December 28, 2004</b>	GROUP: <b>3725</b>

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	6,248,277 B1	Friedrichs			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
					YES	NO
AL	42 42 336	06/1994	GERMANY			
AM	196 44 447	04/1998	GERMANY = US 6,248,277			
AN						
AO						
AP						

## OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, Etc.)

AR		
AS		

EXAMINER

DATE CONSIDERED

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.